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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/737180-Conf. #5500
	Filing Date	December 15, 2003
	First Named Inventor	Jeffrey G. MOORE
	Art Unit	1651
	Examiner Name	L. B. Lankford
Total Number of Pages in This Submission	Attorney Docket Number	0108236.00136US5

ENCLOSURES (Check all that apply)		
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<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WILMER CUTLER PICKERING HALE AND DORR LLP		
Signature			
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Date	1/20/06	Reg. No.	38,349

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Docket No.: 0108236.00136US5  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Jeffrey G. MOORE

Application No.: 10/737180

Confirmation No.: 5500

Filed: December 15, 2003

Art Unit: 1651

For: COMPOSITION AND METHOD FOR  
PRESERVING PROGENITOR CELLS

Examiner: L. B. Lankford

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
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Dear Commissioner:

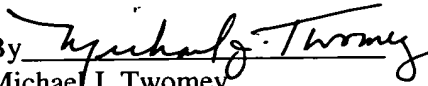
This Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. No fee is required. However, the Commissioner is hereby authorized to charge any fees due to Deposit Account No. 08-0219.

This application is a continuation of 09/934,251 filed 08/21/2001 (now abandoned), which is a continuation of 09/368,607 filed 08/05/1999 (now Patent No. 6,280,724), which is a continuation of 08/825,369 filed 03/28/1997 (now Patent No. 6,084,060), which is a continuation-in-part of 08/762,537 filed 12/09/1996 (now abandoned). Pursuant to 37 C.F.R. § 1.98(d) copies of the art from these related applications are not enclosed. Copies of the new art with the double asterisk (\*\*) as indicated on the form PTO SB-08 are enclosed for the Examiner's review.

Applicant requests that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated: 1/20/06

Respectfully submitted,

By   
Michael J. Twomey

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PTO/SB/08a/b (07-05)

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/737180-Conf. #5500
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				Art Unit	1651
				Examiner Name	L. B. Lankford
Sheet	1	of	8	Attorney Docket Number	0108236.00136US5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-10/737,180	12-15-2003	Moore	
	AB	US-09/476485	07/2000	Colucci et al.	
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	AQ*	US-6,310,195	10-30-2001	Colucci et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	CN-8510796	01-25-1989			
	BB	EP-0942741-B1	12-31-1997	Alizyme Therapeutics Limited		
	BC	EP-0173092	05-03-1986	Bliah		
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	BK	WO-98/59038	12-30-1998	Colucci et al.		
	BL	WO-01/49851-A1	07-12-2001	Phylogix LLC		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Examiner Signature	Date Considered		

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Sheet	3	of	8	Attorney Docket Number	0108236.00136US5

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Examiner Signature	Date Considered
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	CY1	HAMELRYCK et al., <i>J. Molec. Biol.</i> , Vol. 299, pp. 875-883, 2000	
	CZ1	HAMES, BD et al., eds., <i>Gene Probes I and Gene Probes II</i> , IRL Press, Oxford, 1995	
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	CD2	HIGGINS et al., <i>CABIOS</i> , Vol. 5, pp. 151-153, 1983	
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Sheet	5	of	8	Attorney Docket Number	0108236.00136US5

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	CI3	MARSTON et al., "Solubilization of Protein Aggregates", <i>Guide to Protein Purification</i> , pp. 266-267, 1990, Deutscher MP, ed., Academic Press, San Diego	
	CJ3	MARSTON, "The Purification of Eukaryotic Proteins Express in E. coli", <i>DNA Cloning</i> , Glover DM ed., Vol. III, IRL Press, Ltd., Oxford, 1987	
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	CL3	MCPHERSON, MJ ed., <i>Directed Mutagenesis: A Practical Approach</i> , IRL Press, Oxford, 1991	
	CM3	MEINKOTH, J. et al., "Hybridization of Nucleic Acids Immobilized on Solid Supports", <i>Anal. Biochem.</i> , Vol. 138, No. 2, p. 267, 1984	
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	CQ3	MODY et al., "Use of Lectins as Diagnostic and Therapeutic Tools for Cancer", <i>Journal of Pharmacological and Toxicological Methods</i> , Vol. 33, pp. 1-10, 1995	
	CR3	MOORE, A.J.G. et al., "A new lectin red kidney beans called PvFRIL stimulates proliferation of NIH 3T3 cells expressing the Flt3 receptor", <i>BBA-General Subjects</i> , Elsevier Science Publisher, NL Vol. 1475, No. 3, pp. 216-224, 26 July 2000	
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	CU3	MOORE et al., <i>Blood</i> , Vol., 90, p. 1366a, 1997	
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	CW3	MORENO J. et al., "A Lectin Gene Encodes for the $\alpha$ -amylase Inhibitor of the Common Bean", <i>PNAS</i> , Vol. 86, pp. 7885-7889, 1989	
	CX3	MOSMANN, T., "Rapid Colorimetric Assay for Cellular Growth and Survival: Application to Proliferation and Cytotoxicity Assays", <i>Journal of Immunological Methods</i> , Vol. 65, pp. 55-63, 1983	
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	CZ3	NGO et al., <i>The Protein Folding Problem and Tertiary Structure Prediction</i> , pp. 433 and 492-495, 1994, Birkhauser, Boston	
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				Art Unit	1651
				Examiner Name	L. B. Lankford
Sheet	6	of	8	Attorney Docket Number	0108236.00136US5

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CC4	OPDENAKKER, C., et al., "Cells Regulate the Activities of Cytokines by Glycosylation", <i>The FASEB Journal</i> , Vol. 9, pp. 453-457, 1995	
CD4	PAWLOSKI, K. et al., "Isolation of Total, Poly(A+) and Polysomal RNA from Plant Tissues", <i>Mol. Plant Biol. Manual</i> , Vol. 5, pp. 1-13, 1994	
CE4	PEARSON et al., "Improved Tools for Biological Sequence Comparison", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, pp. 2444-2448, 1988	
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CL4	PUSZTAI, "Dietary lectins are metabolic signals for the gut and modulate immune and hormone functions", <i>European Journal of Clinical Nutrition</i> , Vol. 47, pp. 691-699, 1993	
CM4	PUSZTAI, A. et al., <i>Lectins: Biomedical Perspectives</i> , Taylor & Francis, London, 1995	
CN4	PUSZTAI et al., "Novel Dietary Strategy for Overcoming the Antinutritional Effects of Soyabean Whey of High Agglutinin Content", <i>British Journal of Nutrition</i> , Vol. 77, pp. 933-945, 1997	
CO4	REICHMAN et al., <i>Nature</i> , Vol. 332, pp. 323-327, 1988	
CP4	RENZ, J. et al., "A Colorimetric Method for DNA Hybridization", <i>Nucleic Acids Res.</i> , Vol. 12, p. 3435, 1984	
CQ4	RICHARDSON et al., <i>Nucleic Acids Res.</i> , Vol. 11, p. 6167, 1983	
CR4	RICHTER et al., "The Action of Phytohemagglutinin in Rabbits", <i>Int. Arch. Allergy</i> , Vol. 35, pp. 417-433, 1969	
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CW4	ROEHM, NW et al., "An Improved Colorimetric Assay for Cell Proliferation and Viability Utilizing the Tetrazolium Salt XTT", <i>J. Immunol. Methods</i> , Vol. 142, No. 2, pp. 257-265, 1991	
CX4	RUBINSTEIN et al., <i>Prox. Natl. Acad. Sci.</i> , Vol. 92, pp. 10119-10122, 1995	
CY4	SAIKI, RK et al., <i>Science</i> , Vol. 239, p. 487, 1988	
CZ4	SAMBROOK, J. et al., <i>Molecular Cloning: A Laboratory Manual</i> , 2d ed, Cold Spring Harbor	

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Sheet	7	of	8	Attorney Docket Number	0108236.00136US5

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CB5	SCAHILL, SJ et al., "Expression and Characterization of the Product of a Human Immune Interferon DNA Gene in Chinese Hamster Ovary Cells", <i>Proc. Natl. Acad. Sci USA</i> , Vol. 80, pp. 4654-4659, 1993		
CC5	SCHON et al., <i>J. Reprod. Immunol.</i> , Vol. 50, No. 2, pp. 87-104, 2001		
CD5	SCHREK et al., "Radioresistance of Phytohemagglutinin-Treated Normal and Leukemic Lymphocytes", <i>J. Natl. Cancer Inst.</i> , Vol. 32, pp. 507-521, 1964		
CE5	SHAH, A. J. et al., "Flt3 Ligand Induces Proliferation of Quiescent Human Bone Marrow CD34 CD38 Cells and Maintains Progenitor Cells In Vitro", <i>Blood</i> , Vol. 9, pp. 3563-3570, 1996		
CF5	SHARON N. et al., "Lectins as Cell Recognition Molecules", <i>Science</i> , Vol. 246, pp. 227-234, 1989		
CG5	SMALL, D. et al., "STK-1, the Human Homolog of Flk-2/Flt-3, is Selectively Expressed in CD34 Human Bone Marrow Cells and is Involved in the Proliferation of Early Progenitor/Stem Cells", <i>PNAS</i> , Vol. 91, pp. 459-463, 1994		
CH5	SMITH, DB, <i>Gene</i> , Vol. 67, pp. 31-40, 1988		
CI5	SMITH, LM et al., <i>Nucleic Acids Res.</i> , Vol. 13, p. 2399, 1985		
CJ5	SOUTHERN, PJ et al., <i>J. Mol. Appl. Genet.</i> , Vol. 1, pp. 327-341, 1982		
CK5**	SPANGRUDE, G. J. et al., "Purification and Characterization of Mouse Hematopoietic Stem Cells", <i>Science</i> , Vol. 241, pp. 58-62, 1991		
CL5	STEINMAN, Annu., <i>Rev. Immunol.</i> , Vol. 9, pp. 271-296, 1991		
CM5	STENGELIN et al., <i>EMBO J.</i> , Vol. 7, No. 4, pp. 1053-1059, 1988		
CN5	STUBBS, ME et al., "Production of Pea Lectin in <i>Escherichia Coli</i> ", <i>J. Biol. Chem.</i> , Vol. 261, No. 14, pp. 6141-6144, 1986		
CO5	SU et al., "Hematopoietic Stem Cell-Based Gene Therapy ...", <i>Blood</i> , Vol. 87, No. 7, pp. 2283-2290, 1997		
CP5	SUBRAMANI, S. et al., <i>Mol., Cell Biol.</i> , Vol. 1, pp. 854-864, 1981		
CQ5	TCHERNYCHEV, B. et al., "Natural Human Antibodies to Dietary Lectins", <i>FEBS Letters</i> , Vol. 397, pp. 139-141, 1996		
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CU5	UHLEN, M. et al., <i>Gene</i> , Vol. 23, pp. 369-378, 1983		
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CW5	UNKELESS, J. C., "Characterization of a Monoclonal Antibody Directed Against Mouse Macrophage and Lymphocyte Fc Receptors", <i>J. Exp. Med.</i> , Vol. 150, pp. 580-596, 1979		
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CB6	VAN ETEN, RA et al., <i>Cell</i> , Vol. 58, pp. 669-678, 1989		
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	CC6	VERHOEYEN et al., <i>Science</i> , Vol., 239, pp. 1534-156, 1988	
	CD6	WANG, Q. et al., "Identification of intact peanut lectin in peripheral venous blood", <i>The Lancet</i> , Vol. 352, pp. 1831-1832, 1998	
	CE6	WIMER, B., "Therapeutic activities of PHA-L4, the mitogenic isolectin of phytohemagglutinin", <i>Mol. Biother.</i> , Vol. 2, pp. 74-90, June 1990	
	CF6	YOUNG, J. C. et al., "Retention of Quiescent Hematopoietic Cells with High Proliferative Potential During Ex Vivo Stem Cell Culture", <i>Blood</i> , Vol. 87, No. 2, pp. 545-556, 1996	
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	CH6	ZIPORI, D., "Regulation of Hemopoiesis by Cytokines that Restrict Options for Growth and Differentiation", <i>Cancer Cells</i> , Vol. 2, No. 7, pp. 205-211, 1990	
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	CK6	ZOLLER, MJ, <i>DNA</i> , Vol. 3, pp. 479-488, 1984	
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